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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/807,145	03/24/2004	Michael Sonnleitner	1056906	2765
28735	7590	02/22/2007	EXAMINER	
OSLER, HOSKIN & HARCOURT LLP (BRP) 2100 - 1000 DE LA GAUCHETIERE ST. WEST MONTREAL, H3B4W5 CANADA			PRICE, CRAIG JAMES	
		ART UNIT		PAPER NUMBER
				3753
SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE		
3 MONTHS	02/22/2007	PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary	Application No.	Applicant(s)	
	10/807,145	SONNLEITNER ET AL.	
	Examiner	Art Unit	
	Craig Price	3753	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 02 February 2007.
 2a) This action is FINAL. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-15 and 26-30 is/are pending in the application.
 4a) Of the above claim(s) 2,3,6-10,14 and 15 is/are withdrawn from consideration.
 5) Claim(s) _____ is/are allowed.
 6) Claim(s) 1,4,5,11-13 and 26-30 is/are rejected.
 7) Claim(s) _____ is/are objected to.
 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on 19 July 2006 is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 2/02/2007 has been entered.

Claim Rejections - 35 USC § 112

2. Applicant's amendment overcomes the 35 U.S.C. 112 first paragraph rejection.

3. Applicant's amendments overcome the 35 U.S.C. 112 second paragraph rejection.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

5. Claims 1,4,5,11,12 and 26-30 are rejected under 35 U.S.C. 102(b) as being anticipated by Matsudaira et al. (3,288,992).

Regarding claims 1 and 26, Matsudaira et al. disclose the roll-over valve comprising, a valve housing (G, H) having an inner chamber that defines an axis, an inlet opening (60) disposed in a lateral side of the inner chamber, and an outlet opening (62) disposed in the valve housing, and a piston (66) slidably disposed in the inner chamber for movement relative to the valve housing along the axis, the piston having normal and roll-over positions relative to the valve housing, wherein the inlet and outlet openings fluidly connect to each other via the inner chamber when the piston is in the normal position, wherein the piston slides from freely from its roll-over position to its normal position regardless of a fluid pressure in the inner chamber when the valve rolls into a upright position, and under the force of gravity into an overturned position, and wherein the piston blocks at least one of the inlet and outlet openings to prevent fluid flow through the inner chamber when the piston is in its roll-over position (Col. 6, Lns. 48-53, as the glass breaks the outlet is blocked in as much the same manner as is applicant's) and as seen in Figure 5.

Regarding claims 4 and 27, Matsudaira et al. disclose that an air-bleed passage (63,65) that fluidly connects portions of the inner chamber that are disposed on opposing axial sides of the piston as seen in Figure 5.

Regarding claim 5, Matsudaira et al. disclose that the air-bleed passage has first and second opposing ends, wherein the first end of the air bleed passage fluidly connects to a bottom axial portion of the inner chamber such that the first end aligns with the axis, and wherein the second end fluidly connects to the outlet opening as shown in figure 5.

Regarding claims 11 and 28, Matsudaira et al. disclose that the inlet opening (60, in the same manner as applicant's) connects to the inner chamber at a position where any pressure that develops in the inlet opening does not urge the piston into the roll-over position as shown in figure 5.

Regarding claims 12 and 29, Matsudaira et al. disclose that the outlet opening is disposed at an upper axial end of the inner chamber as shown in figure 5.

Regarding claim 30, Matsudaira et al. disclose that the sealing surface cooperates with the lateral side of the valve housing by forming therebetween a sufficiently tight clearance to substantially prevent fluid flow therebetween as shown in figure 5 (the gap between the valve and housing is shown to be sufficiently tight in as much as applicant's valve).

Claim Rejections - 35 USC § 103

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

7. Claim 13 is rejected under 35 U.S.C. 103(a) as being unpatentable over Matsudaira et al. '992.

Matsudaira et al. has disclosed all of the features of the claimed invention although is silent to the valve having an upper portion of the piston as having a frusto-conical surface. Matsudaira et al. depicts a frusto-conical surface (12) in figure 2. It would have been obvious to one of ordinary skill in the art at the time of invention to employ the upper portion of the piston having a frusto-conical surface from figure 2 into

figure 5 of Matsadaira et al. in order to break the plate and open the valve (Col. 2, Lns. 53-58).

Response to Arguments

8. Applicant's arguments filed 02 February 2007 have been fully considered but they are not persuasive.

In regards to your argument concerning that an inlet opening is disposed in a lateral side of the inner chamber, the Matsudaira et al. reference becomes open to the inlet (60, which is located on the lateral side of the housing G,H) when the valve plate (74) comes off the seat (71).

Conclusion

9. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any

extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Craig Price whose telephone number is (571) 272-2712. The examiner can normally be reached on 7AM - 5:30PM M-R, Increased Flex time.

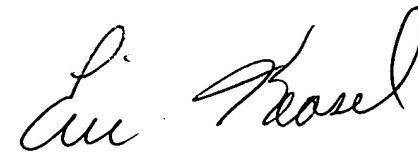
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eric Keasel can be reached on (571) 272-4929. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

CP



20 February 2007



ERIC KEASEL
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 3700